AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listing, of claims in the application:

1. (previously presented) A process for the preparation of a malted cereal comprising: introducing activated spores in an amount of about 1×10^2 to about 1×10^7 per gram of dry cereal to a cereal before or during a malting process, the activated spores being present on the cereal in an amount which is effective for providing the malted cereal with an increased enzyme activity, the increased enzyme activity being greater than the enzyme activity which is obtained by the same malting process but with dormant spores.

2. (canceled)

- 3. (previously presented) The process according to Claim I, wherein said enzyme is selected from the group of B-glucanase, xylanase, amylase, a protease, naturally occurring enzymes in the cereal and combinations thereof.
- 4. (previously presented) A process for the preparation of a malted cereal as recited in claim 43 wherein the cereal, water and activated spores are combined to form a combination and where the concentration of the activated spores and the combination is held together for a time and temperature which are effective for providing the malted cereal with an enzyme activity which is greater than the enzyme activity which is obtained by a malting process without activated spores.
- 5. (previously presented) A process as recited in claim 4 wherein the combination is held for a time and temperature until the ceral has a moisture content of at least about 20 weight percent.
- 6. (previously presented) A process as recited in claim 4 or 5 wherein the combination is held until the cereal germinates and after germination, cereal is dried to a moisture content of not more than about 15 weight percent.
- 7. (previously presented) A process as recited in claim 3 wherein the process further comprises drying the combination and prior to the drying, the combination is held until the cereal has a moisture content of between about 20 to about 60 weight percent and the cereal has germinated for about 2 to about 7 days at a temperature of from about 10 to about 30°C.

8. (previously presented) A process as recited in claim 6 wherein the process further comprises drying the combination and prior to drying, the combination is held until the cereal has a moisture content of between about 20 to about 60 weight percent and the cereal has germinated for about 2 to about 7 days at a temperature of from about 10 to about 30°C.; and

after the germination, the combination is dried to a moisture content of from about 2 to about 15 weight percent.

9. (currently amended) A process as recited in claim 1 or 4 wherein the activated spores are from microbes selected from the group consisting of Micrococcus spp., Streptococcus spp., Leuconostoc spp., Pediococcus spp., Pediococcus halophilus, Pediococcus cerevisiae, Pediococcus damnosus, Pediococcus hemophilus, Pediococcus soyae, Lactococcus spp., Lactobacillus spp., Lactobacillus acidophilus, Lactobacillus amylovorus, Lactobacillus bavaricus, Lactobacillus bifermentans, Lactobacillus brevis var lindneri, Lactobacillus casel var casel, Lactobacillus delbrueckil, Lactobacillus delbrueckil var lactis, Lactobacillus delbrueckil var bulgaricus, Lactobacillus fermenti, Lactobacillus gasseril, Lactobacillus helveticus, Lactobacillus hilgardil, Lactobacillus renteril, Lactobacillus sake, Lactobacillus sativorius, Lactobacillus cremoris, Lactobacillus kefir, Lactobacillus pentoceticus, Lactobacillus cellobiosus, Lactobacillus bruxellensis, Lactobacillus buchnerii, Lactobacillus coryneformis, Lactobacillus confusus, Lactobacillus florentinus, Lactobacillus viridescens, Corynebacterium spp., Propionibacterium spp., Bifidobacterium spp., Streptomyces spp., Bacillus spp., Sporofactobacillus spp., Acetobacter spp., Agrobacterium spp., Alcaligenes spp., Pseudomonas spp., Pseudomonas amylophilia, Pseudomonas aeruginosa, Pseudomonas cocovenenans, Pseudomonas mexicana, Pseudomonas pseudomallei, Gluconobacter spp., Enterobacter spp., Erwinia spp., Klebsiella spp., Proteus spp., Ascomycota, Dothideales, Mycosphaerellaceae, Mycosphaerella spp., Venturiaceae, Venturia spp., Eurotiales, Monascaceae, Monascus spp., Trichocomaceae, Emericilla spp., Duroteum spp., Eupencillium spp., Neosartorya spp., Talaromyces spp., Hypocreales, Hypocreceae, Hypocrea spp. Saccharomycetales, Dipodascaceae, Dipodascus spp., Galactomyces spp., Endomycetaceae, Endomyces spp., Metschnikowiaceae, Guilliermondella spp., Saccharomycetaceae Debaryomyces spp., Dekkera spp., Pichia spp., Kluyveromyces spp., Saccharomyces spp., Torulaspora spp., Zygosacchaaromyces spp., Saccharomycodaceae, Hansenlaspora spp., Schizosaccharomycetales, Schizosacchromycetaceae, Schizosaccharomyces spp., Sordariales, Chaetomiaceae, Chaetomium spp., Sordariaceae, Neurospora spp., Zygomycota, Mucorales, Mucoraceae, Absidia spp., Amylomyces spp., Rhizomucor spp., Actinomucor spp., Thermomucor spp., Chiamydomucor spp., Mucor spp., Muco circinelloides, Mucor grisecyanus, Mucor hiemalls, Mucor Indicus, Mucor mucedo,

Mucor piriformis, Mucor plumbeus, Mucor praini, Mucor pusillus, Mucor silvaticus, Mucor javanicus, Mucor racemosus, Mucor rouxianus, Mucor rouxli, Mucor aromatiacus, Mucor flavus, Mucor miehel, Rhizopus spp., Rhizopus arrhizus, Rhizopus oligosporus, Rhizopus oryzae, strains ATCC 4858, ATCC 9363, NRRL 1891, NRRL 1472, Rhizopus stolonifer, Rhizopus thailandensis, Rhizopus formosaensis, Rhizopus chinensis, Rhizopus cohnil, Rhizopus japonicus, Rhizopus nodosus, Rhizopus delemar, Rhizopus acetorinus, Rhizopus chlamydosporus, Rhizopus circinans, Rhizopus javanicus, Rhizopus peka, Rhizopus salto, Rhizopus tritiel, Rhizopus niveus, Rhizopus microsporus, Mitosporic fungi preferentially Aureobasidium spp., Acremonium spp., Cercospora sap.spp, Epicoccum sap.spp., Monilla sap.spp., Monilla candida, Monilla sitophilia, Mycoderma sap.spp., Candida sap.spp., Candida diddensiae, Candida edax, Candida etchellel, Candida kefir, Candida krisei, Candida lactosa, Candida lambica, Candida mellnil, Candida utilis, Candida milleri, Candida mycoderma, Candida parapsilosis, Candida obtux, Candida tropicalls, Candida valida, Candida versatilis, Candida guilliermondil, Rhodotorula sap.spp., Torulopsis sap.spp., Geotrichum sap.spp., Geotrichum amycelium, Geotrichum armillariae, Geotrichum asteroides, Geotrichum bipunctatum, Geotrichum dulcitum, Geotrichum eriense, Geotrichum fici, Geotrichum flavo-brunneum, Geotrichum fragrans, Geotrichum gracile, Geotrichum heritum, Geotrichum kiebaknil, Geotrichum penicillatum, Geotrichum hirtum, Geotrichum pseudocandidum, Geotrichum rectangulatum, Geotrichum suaveolens, Geotrichum vanrylae, Geotrichum loubieri, Geotrichum microsporum, Cladosporfum sap.spp., Trichoderma sap.spp., Trichoderma hamatum, Trichoderma harzianum, Trichoderma koningli, Trichoderma pseudokoningil, Trichoderma reesei, Trichoderma virgatum, Trichoderma viride, Oidium sap.spp., Alternaria sap.spp., Alternaria alternata, Alternaria tenuls, Helminthosporium sap.spp., Heiminthosporium gramineum, Helminthosporium sativum, Helminthosporium teres, Aspergillus sap.spp., Aspergillus ochraseus Group, Aspergillus nidulans Group, Aspergillus versicolor Group, Aspergillus wentil Group, Aspergillus candidus Group, Aspergillus flavus Group, Aspergillus niger Group, Penicillum sap.spp., Penicillum aculeatum, Penicillum citrinum, Penicillum claviforme, Penicillum funiculosum, Penicillum Italicum, Penicillum lanoso-viride, Penicillum emersonii, Penicillum lilacinum, Penicillum expansum and mixtures thereof.

10-12. (canceled)

- 13. (previously presented) A process for the preparation of a malted cereal said process comprising:
 - (a) introducing activated spores in an amount of from about 1×10^2 to about 1×10^7 per gram of dry cereal into a moistened cereal to form a moistened cereal/activated spore combination;

- (b) germinating the cereal in the moistened cereal/activated spore combination to provide a germinated cereal, the activated spores being present in the cereal in an amount which is effective for providing the germinated cereal with an increased enzyme activity, the increased enzyme activity being greater than the enzyme activity which is obtained by the same malting process but with dormant spores; and
 - (c) drying said germinated cereal.
- 14. (previously presented) The process according to claim 13, wherein said moistened cereal/activated spore combination is held at a temperature of from about 5° to about 30°C until the cereal has a moisture content of from about 20 to about 60 weight percent moisture.
- 15. (previously presented) The process according to claim 13 or claim 14, wherein the moistened cereal/activated spore combination is held for about 3 to about 6 days at a temperature of from about 10° to about 30°C.
- 16. (previously presented) The process according to Claim 13 or 14, wherein said germinated cereal is dried to a moisture content of from about 2 to about 15 weight percent
- 17. (previously presented) A process as recited in claim 13 wherein the combination is held at a temperature of from about 10°C to about 20°C until the cereal has a moisture content of from about 38 to about 47 weight percent and the cereal has germinated for about 3 to about 6 days at a temperature of from about 14°C to about 18°C and the germinated cereal is dried at a temperature of from about 40°C to about 150°C.
- 18. (previously presented) A process for the preparation of a malted cereal said process comprising: mixing water, a cereal and activated spores to provide a moistened cereal/activated spore combination, the activated spores in an amount of from about 1 X 10² to about 1 X 10⁷ per gram of dry cereal, and holding moistened cereal/activated spore combination for a time and at a temperature, the amount of the activated spores, holding time and holding temperature effective for providing the malted cereal with an increased activity of an enzyme compared to the activity of an enzyme obtained by moistening and mixing the cereal with dormant spores.
- 19. (previously presented) The process according to Claim 18, wherein said enzyme is selected from the group of B-glucanase, xylanase, amylase, a protease, naturally occurring enzymes in the cereal and combinations thereof.

- 20. (previously presented) A process as recited in claim 18, wherein the holding time and holding temperature are effective to provide the cereal with a moisture content of at least about 20 weight percent.
- 21. (previously presented) A process as recited in claim 20 wherein after cereal attains a moisture content of at least about 20 weight percent, it is dried to a moisture content of not more than about 15 weight percent.
- 22. (previously presented) A process as recited in claim 18, 19, 20, or 21, wherein the holding time and holding temperature are effective to provide the cereal with a moisture content of between about 20 to about 60 weight percent and wherein the cereal has germinated for about 2 to about 7 days at a temperature of from about 20 to about 30°C.
- 23. (previously presented) A process as recited in claim 22, wherein the germinated cereal is dried to a moisture content of from about 2 to about 15 weight percent.
- 24. (currently amended) A process as recited in claim 23 wherein the activated spores are from the microbes selected from the group consisting of Micrococcus spp., Streptococcus spp., Leuconostoc spp., Pediococcus spp., Pediococcus halophilus, Pediococcus cerevisiae, Pediococcus damnosus, Pediococcus hemophilus, Pediococcus soyae, Lactococcus spp., Lactobacillus spp., Lactobacillus acidophilus, Lactobacillus amylovorus, Lactobacillus bavaricus, Lactobacillus bifermentans, Lactobacillus brevis var lindneri, Lactobacillus casel var casel, Lactobacillus delbrueckil, Lactobacillus delbrueckil var lactis, Lactobacillus delbrueckil var bulgaricus, Lactobacillus fermenti, Lactobacillus gasseril, Lactobacillus helveticus, Lactobacillus hilgardil, Lactobacillus renteril, Lactobacillus sake, Lactobacillus sativorius, Lactobacillus cremoris, Lactobacillus kefir, Lactobacillus pentoceticus, Lactobacillus cellobiosus, Lactobacillus bruxellensis, Lactobacillus buchnerii, Lactobacillus coryneformis, Lactobacillus confusus, Lactobacillus florentinus, Lactobacillus viridescens, Corynebacterium spp., Propionibacterium spp., Bifidobacterium spp., Streptomyces spp., Bacillus spp., Sporofactobacillus spp., Acetobacter spp., Agrobacterium spp., Alcaligenes spp., Pseudomonas spp., Pseudomonas amylophilia, Pseudomonas aeruginosa, Pseudomonas cocovenenans, Pseudomonas mexicana, Pseudomonas pseudomallei, Gluconobacter spp., Enterobacter spp., Erwinia spp., Klebsiella spp., Proteus spp., Ascomycota, Dothideales, Mycosphaerellaceae, Mycosphaerella spp., Venturiaceae, Venturia spp., Eurotiales, Monascaceae, Monascus spp., Trichocomaceae, Emericilla spp., Duroteum spp., Eupencillium spp., Neosartorya spp., Talaromyces spp., Hypocreales, Hypocreceae, Hypocrea spp. Saccharomycetales, Dipodascaceae, Dipodascus spp.,

Galactomyces spp., Endomycetaceae, Endomyces spp., Metschnikowiaceae, Guilliermondella spp., Saccharomycetaceae Debaryomyces spp., Dekkera spp., Pichia spp., Kluyveromyces spp., Saccharomyces spp., Torulaspora spp., Zygosacchaaromyces spp., Saccharomycodaceae, Hansenlaspora spp., Schizosaccharomycetales, Schizosacchromycetaceae, Schizosaccharomyces spp., Sordariales, Chaetomiaceae, Chaetomium spp., Sordariaceae, Neurospora spp., Zygomycota, Mucorales, Mucoraceae, Absidia spp., Amylomyces spp., Rhizomucor spp., Actinomucor spp., Thermomucor spp., Chiamydomucor spp., Mucor spp., Muco circinelloides, Mucor grisecyanus, Mucor hiemalls, Mucor Indicus, Mucor mucedo, Mucor piriformis, Mucor plumbeus, Mucor praini, Mucor pusillus, Mucor silvaticus, Mucor javanicus, Mucor racemosus, Mucor rouxianus, Mucor rouxli, Mucor aromatiacus, Mucor flavus, Mucor miehel, Rhizopus spp., Rhizopus arrhizus, Rhizopus oligosporus, Rhizopus oryzae, strains ATCC 4858, ATCC 9363, NRRL 1891, NRRL 1472, Rhizopus stolonifer, Rhizopus thailandensis, Rhizopus formosaensis, Rhizopus chinensis, Rhizopus cohnil, Rhizopus japonicus, Rhizopus nodosus, Rhizopus delemar, Rhizopus acetorinus, Rhizopus chlamydosporus, Rhizopus circinans, Rhizopus javanicus, Rhizopus peka, Rhizopus salto, Rhizopus tritiel, Rhizopus niveus, Rhizopus microsporus, Mitosporic fungi preferentially Aureobasidium spp., Acremonium spp., Cercospora sap.spp., Epicoccum sap.spp., Monilla sap.spp., Monilla candida, Monilla sitophilia, Mycoderma sap.spp., Candida sap.spp., Candida diddensiae, Candida edax, Candida etchellel, Candida kefir, Candida krisei, Candida lactosa, Candida lambica, Candida mellnil, Candida utilis, Candida milleri, Candida mycoderma, Candida parapsilosis, Candida obtux, Candida tropicalls, Candida valida, Candida versatilis, Candida guilliermondil, Rhodotorula sap.spp., Torulopsis sap.spp., Geotrichum sap.spp., Geotrichum amycelium, Geotrichum armillariae, Geotrichum asteroides, Geotrichum bipunctatum, Geotrichum dulcitum, Geotrichum eriense, Geotrichum fici, Geotrichum flavo-brunneum, Geotrichum fragrans, Geotrichum gracile, Geotrichum heritum, Geotrichum kiebaknil, Geotrichum penicillatum, Geotrichum hirtum, Geotrichum pseudocandidum, Geotrichum rectangulatum, Geotrichum suaveolens, Geotrichum vanrylae, Geotrichum loubieri, Geotrichum microsporum, Cladosporfum sap.spp., Trichoderma sap.spp., Trichoderma hamatum, Trichoderma harzianum, Trichoderma koningli, Trichoderma pseudokoningil, Trichoderma reesei, Trichoderma virgatum, Trichoderma viride, Oidium sap.spp., Alternaria sap.spp., Alternaria alternata, Alternaria tenuls, Helminthosporium sap.spp., Heiminthosporium gramineum, Helminthosporium sativum, Helminthosporium teres, Aspergillus sap.spp., Aspergillus ochraseus Group, Aspergillus nidulans Group, Aspergillus versicolor Group, Aspergillus wentil Group, Aspergillus candidus Group, Aspergillus flavus Group, Aspergillus niger Group, Penicillum sap.spp., Penicillum aculeatum, Penicillum citrinum, Penicillum claviforme, Penicillum funiculosum, Penicillum Italicum, Penicillum lanoso-viride, Penicillum emersonii, Penicillum lilacinum, Penicillum expansum and mixtures thereof.

25-26. (canceled)

27. (previously presented) A process for the preparation of malted cereal comprising:

steeping the cereal, the steeping including one or more wetting stages at a temperature between about 5° to about 30 °C, the wetting stages effective for providing a material having a moisture content between about 20% and about 60% by weight;

germinating the cereal in the presence of activated spores for about 2 to about 7 days at a temperature between about 10° to about 30°C, to provide a germinated cereal,

the activated spores being from microbes selected from the group consisting of bacteria, fungi, and mixtures thereof and being added to the cereal prior to or during the steeping or the germinating of the cereal, the activated spores being present in an amount of from about 1×10^2 to about 1×10^7 per gram of dry cereal and being present in the cereal in an amount which is effective for providing the germinated cereal with an increased enzyme activity, the increased enzyme activity being greater than the enzyme activity which is obtained by the same malting process but with dormant spores;

drying the steeped and germinated cereal at a temperature of from about 40° to about 150°C until the steeped and germinated cereal has a moisture content between about 2% to about 15% by weight.

28. (currently amended) A process according to claim 27, wherein the cereal is barley and, wherein the bacteria are selected from the group consisting of Micrococcus spp., streptococcus spp., Leuconostoc spp., Pediococcus spp. preferentially Pediococcus halophilus, Pediococcus cerevisiae, Pediococcus spp. preferentially Pediococcus halophilus, Pediococcus cerevisiae, Pediococcus damnosus, Pediococcus hemophilus, Pediococcus parvulus, Pediococcus soyae, Lactococcus spp., Lactobacillus spp. preferentially Lactobacillus acidophilus, Lactobacillus amylovorus, Lactobacillus bavaricus, Lactobacillus bifermentans, Lactobacillus brevis var lindneri, Lactobacillus casel var casel, Lactobacillus delbrueckil, Lactobacillus delbrueckil var lactis, Lactobacillus delbrueckil var bulgaricus, Lactobacillus fermenti, Lactobacillus gasseril, Lactobacillus helveticus, Lactobacillus hilgardil, Lactobacillus renteril, Lactobacillus sake, Lactobacillus sativorius, Lactobacillus cremoris, Lactobacillus kefir, lactobacillus pentoceticus, Lactobacillus cellobiosus, Lactobacillus bruxellensis, Lactobacillus buchnerii, Lactobacillus coryneformis, Lactobacillus confusus, Lactobacillus florentinus, Lactobacillus viridescens, Corynebacterium spp., Propionibacterium spp., Bifidobacterium spp., Streptomyces spp., Bacillus spp., Sporofactobacillus spp., Acetobacter spp., Agrobacterium spp., Alcaligenes

spp., Pseudomonas spp. preferentially Pseudomonas amylophilia, Pseudomonas seruginosa, Pseudomonas cocovenenana, Pseudomonas mexicana, Pseudomonas pseudomallei Gluconobacter spp., Enterobacter spp., Erwinia spp., Klebstella spp., and Proteus spp.

29. (currently amended) The process according to claim 27, wherein the cereal is barley and wherein the fungi are selected from the group consisting of Ascomycota, Dothideales, Mycosphaerellaceae, Mycosphaerella spp., Venturiaceae, Venturia spp.; Eurotiales, Monascaceae, Monascus spp., Trichocomaceae, Emericilla spp., Duroteum spp., Eupencillium spp., Neosartorya spp., Talaromyces spp., Hypocreales, Hypocreae, Hypocrea spp. Saccharomycetales, Dipodascaceae, Dipodascus spp., Galactomyces spp., Endomycetaceae, Endomyces spp., Metschnikowiaceae, Guilliermondella spp., Saccharomycetaceae Debaryomyces spp., Dekkera spp., Pichia spp., Kluyveromyces spp., Saccharomyces spp., Torulaspora spp., Zygosacchaaromyces spp., Saccharomycodaceae, Hansenlaspora spp., Schizosaccharomycetales, Schizosacchromycetaceae, Schizosaccharomyces spp., Sordariales, Chaetomiaceae, Chaetomium spp., Sordariaceae, Neurospora spp., Zygomycota, Mucorales, Mucoraceae, Absidia spp., Amylomyces spp., Rhizomucor spp., Actinomucor spp., Thermomucor spp., Chiamydomucor spp., Mucor spp., Muco circinelloides, Mucor grisecyanus, Mucor hiemalls, Mucor Indicus, Mucor mucedo, Mucor piriformis, Mucor plumbeus, Mucor praini, Mucor pusillus, Mucor silvaticus, Mucor javanicus, Mucor racemosus, Mucor rouxianus, Mucor rouxli, Mucor aromatiacus, Mucor flavus, Mucor miehel, Rhizopus spp., Rhizopus arrhizus, Rhizopus oligosporus, Rhizopus oryzae, strains ATCC 4858, ATCC 9363, NRRL 1891, NRRL 1472, Rhizopus stolonifer, Rhizopus thailandensis, Rhizopus formosaensis, Rhizopus chinensis, Rhizopus cohnil, Rhizopus japonicus, Rhizopus nodosus, Rhizopus delemar, Rhizopus acetorinus, Rhizopus chlamydosporus, Rhizopus circinans, Rhizopus javanicus, Rhizopus peka, Rhizopus salto, Rhizopus tritiel, Rhizopus niveus, Rhizopus microsporus, Mitosporic fungi preferentially Aureobasidium spp., Acremonium spp., Cercospora sap.spp., Epicoccum sap.spp., Monilla sap.spp., Monilla candida, Monilla sitophilia, Mycoderma sap.spp., Candida sap.spp., Candida diddensiae, Candida edax, Candida etchellel, Candida kefir, Candida krisei, Candida lactosa, Candida lambica, Candida mellnil, Candida utilis, Candida milleri, Candida mycoderma, Candida parapsilosis, Candida obtux, Candida tropicalls, Candida valida, Candida versatilis, Candida guilliermondil, Rhodotorula sap.spp., Torulopsis sap.spp., Geotrichum sap.spp., Geotrichum amycelium, Geotrichum armillariae, Geotrichum asteroides, Geotrichum bipunctatum, Geotrichum dulcitum, Geotrichum eriense, Geotrichum fici, Geotrichum flavo-brunneum, Geotrichum fragrans, Geotrichum gracile, Geotrichum heritum, Geotrichum kiebaknil, Geotrichum penicillatum, Geotrichum hirtum, Geotrichum pseudocandidum, Geotrichum rectangulatum, Geotrichum suaveolens, Geotrichum vanrylae, Geotrichum loubieri, Geotrichum microsporum, Cladosporfum

sap.spp., Trichoderma sap.spp., Trichoderma hamatum, Trichoderma harzianum, Trichoderma koningli, Trichoderma pseudokoningil, Trichoderma reesei, Trichoderma virgatum, Trichoderma viride, Oidium sap.spp., Alternaria sap.spp., Alternaria alternata, Alternaria tenuls, Helminthosporium sap.spp., Heiminthosporium gramineum, Helminthosporium sativum, Helminthosporium teres, Aspergillus sap.spp., Aspergillus ochraseus Group, Aspergillus nidulans Group, Aspergillus versicolor Group, Aspergillus wentil Group, Aspergillus candidus Group, Aspergillus flavus Group, Aspergillus niger Group, Penicillum sap.spp., Penicillum aculeatum, Penicillum citrinum, Penicillum claviforme, Penicillum funiculosum, Penicillum Italicum, Penicillum lanoso-viride, Penicillum emersonil, Penicillum lilacinum, and Penicillum expansum.

- 30. (currently amended) The process for the preparation of malted cereal according to claim 27 wherein the bacteria are selected from the group consisting of Micrococcus sap.spp., Streptococcus sap.spp., Leuconostoc sap.spp., Pediococcus sap.spp., Lactococcus sap.spp., Lactobacillus sap.spp., Corynebacterium sap.spp., Propionibacterium sap.spp., Bifidobacterium sap.spp., Streptomyces sap.spp., Bacillus sap.spp., Sporolactobacillus sap.spp., Gluconobacter sap.spp., Enterobacter sap.spp., Erwinia sap.spp., Klebsiella sap.spp., and Proteus sap.spp.
- 31. (currently amended) A process for the preparation of malted cereal according to claim 27 wherein the fungi are selected from the group consisting of Ascomycota, Dothideales, Mycosphaerellaceae, Mycosphaerella sap.spp., Venturiaceae, Venturia spps., Eurotiales, Monascaceae, Monascus sap.spp., Trichocomaceae, Emercilla sap.spp., Euroteum sap.spp., Eupencillium sap.spp., Neosartorya sap.spp., Talaromyces sap.spp., Hypocreales, Hypocreceae, Hypocrea sap.spp., Saccharomycetales, Dipodascaceae, Dipodascus sap.spp., Galactomyces sap.spp., Endomycetaceae, Endomyces sap.spp., Metschnikowiaceae, Guilliermondella sap.spp., Saccharomycetaceae, Debaryomyces sap.spp., Dekkera sap.spp., Pichia sap.spp., Klyveromyces sap.spp., Sacchaaromyces sap.spp., Torulaspora sap.spp., Zygosaccharomyces sap.spp., Sacchaaromycodaceae, Hansenlaspora sap.spp., Schizosaccharomycetales, Schizosaccharomycetaceae, Schizosaccharomyces sap.spp., Sordariales, Chaetomiaceae, Chaetomium sap.spp., Sordariscese, Neurospora sap.spp., Zygomycota, Mucorales, Mucoraceae, Absidia sap.spp., Amylomyces sap.spp., Rhizomucor sap.spp., Actinomucor sap.spp., Thermomucor sap.spp., Chiamydomucor sap.spp., Mucor sap.spp., Rhizopus sap.spp., Mitosporic fungi, Aureobasidum sap.spp., Acremonium sap.spp., Cerocospora sap.spp., Epicoccum sap.spp., Monilla sap.spp., Mycoderma sap.spp., Candida sap.spp., Rhodotorula sap.spp., Torulopsis sap.spp., Geotrichum sap.spp., Cladosporium sap.spp., Trichoderma sap.spp., Oidium sap.spp., Alternara sap.spp., Helminthosporium sap.spp., Aspergillus sap.spp., and Penicillium sap.spp.

32. (canceled)

33. (previously presented) A process according to the claim 31, wherein the Rhizopus spp. is Rhizopus oryzae.

34-42. (canceled)

- 43. (previously presented) The process according to claim l, wherein said activated spores increase an activity of an enzyme that is present in a cereal used during said malting process.
- 44. (currently amended) A process according to claim 27, 28, 29, 30 or 31, wherein the cereal is submersed in water to steep the cereal and a total time of submersion in the water during steeping does not exceed about 30 hours, and wherein the drying is at more than two temperatures and wherein the activated spores are from microbes selected from the group consisting of Rhizopus sap.spp., Pseudomonas sap.spp. and mixtures thereof.
- 45. (previously presented) A process according to claim 28, wherein the Pseudomonas sp. is Pseudomonas herbicola.
- 46. (previously presented) A process according to claim 27, wherein the activated spores are activated by treatments selected from the group consisting of cycles of wetting and/or drying, addition of nutritional supplies or addition of spore elements, exposure to temperature changes within a range of about 0° to about 80°C, and exposure to changes in pH within a pH range of about 2.0 to about 8.0 to obtain spores where the size of the spores is increased by a factor between about 1.2 and about 10 over their dormant size and/or the spores have one or more germ tubes per spore, and mixtures thereof.
- 47. (previously presented) A process according to claim 27, wherein the pH during the steeping step is adjusted to a value between about 4.0 and about 6.0.
- 48. (previously presented) A method for the preparation of a malted cereal product, the method comprising:

mixing water, activated spores and a cereal to provide a malting cereal composition, the activated spores being present in the malting cereal composition in an amount of about 1 \times 10² to about 1 \times 10⁷ per gram of air dry cereal, the amount of activated spores being effective for providing the malted cereal with the increased enzyme activity, the increased

enzyme activity being greater than the enzyme activity which is obtained by the same malting process but with dormant spores.

- 49. (previously presented) The method as recited in claim 48, wherein said enzyme is selected from the group of β glucanase, xylanase, amylase, protease, naturally occurring enzymes in the cereal and combinations thereof.
- 50. (currently amended) A method as recited in claim 49 wherein the activated spores are from the microbes selected from the group consisting of Micrococcus sap.spp., Streptococcus sap.spp., Leuconostoc sap.spp., Pediococcus sap.spp., Pediococcus halophilus, Pediococcus cerevisiae, Pediococcus damnosus, Pediococcus hemophilus, Pediococcus parvulus, Pediococcus soyae, Lactococcus sap.spp., Lactobacillus sap.spp., Lactobacillus acidophilus, Lactobacillus amylovorus, Lactobacillus bavaricus, Lactobacillus bifermentans, Lactobacillus brevis var lindneri, Lactobacillus casei var casei, Lactobacillus delbrueckii, Lactobacillus delbrueckii var lactis, Lactobacillus delbrueckii var bulgaricus, Lactobacillus fermenti, Lactobacillus gasserii, Lactobacillus helveticus, Lactobacillus hilgardii, Lactobacillus renterii, Lactobacillus sake, Lactobacillus sativorius, Lactobacillus cremoris, Lactobacillus kefir, Lactobacillus pentoceticus, Lactobacillus cellobiosus, Lactobacillus bruxellensis, Lactobacillus buchnerii, Lactobacillus coryneformis, Lactobacillus confusus, Lactobacillus florentinus, Lactobacillus viridescens, Corynebacterium sap.spp., Propionibacterium sap.spp., Bifidobacterium sap.spp., Streptomyces sap.spp., Bacillus sap.spp., Sporolactobacillus sap.spp., Acetobacter sap.spp., Agrobacterium sap.spp., Alcaligenes sap.spp., Pseudomonas sap.spp., Pseudomonas amylophilia, Pseudomonas aeruginosa, Pseudomonas cocovenenans, Pseudomonas mexicana, Pseudomonas pseudomallei, Gluconobacter sap.spp., Enterobacter sap.spp., Erwinia sap.spp., Klebsiella sap.spp., Proteus sap.spp., Ascomycota, Dothideales, Mycosphaerellaceae, Mycosphaerella sap.spp., Venturiaceae, Venturia sap.spp., Eurotiales, Monascaceae, Monascus sap.spp., Trichocomaceae, Emericilla sap.spp., Euroteum sap.spp., Eupenicillium sap.spp., Neosartorya sap.spp., Talaromyces sap.spp., Hypocreales, Hypocreceae, Hypocrea sap.spp., Saccharomycetales, Dipodascaceae, Dipodascus sap.spp., Galactomyces sap.spp., Endomycetaceae, Endomyces sap.spp., Metschnikowiaceae, Guilliermondella sap.spp., Saccharomycetaceae, Debaryomyces sap.spp., Dekkera sap.spp., Pichia sap.spp., Kluyveromyces sap.spp., Saccharomyces sap.spp., Torulaspora sap.spp., Zygosaccharomyces sap.spp., Saccharomycodaceae, Hanseniaspora sap.spp.; Schizosaccharomycetales, Schizosaccharomycetaceae, Schizosaccharomyces sap.spp., Sordariales, Chaetomiaceae, Chaetomium sap.spp., Sordariacea, Neurospora sap.spp., Zygomycota, Mucorales, Mucoraceae, Absidia sap.spp., Amylomyces sap.spp., Rhizomucor sap.spp., Actinomucor sap.spp., Thermomucor sap.spp., Chlamydomucor sap.spp., Mucor sap.spp., Mucor

circinelloides, Mucor grisecyanus, Mucor hiemalis, Mucor indicus, Mucor mucedo, Mucor piriformis, Mucor plumbeus, Mucor praini, Mucor pusillus, Mucor silvaticus, Mucor javanicus, Mucor racemosus, Mucor rouxianus, Mucor rouxii, Mucor aromaticus, Mucor flavus, Mucor miehei, Rhizopus sap.spp., Rhizopus arrhizus, Rhizopus oligosporus, Rhizopus oryzae, Rhizopus oryzae strain ATCC 4858, Rhizopus oryzae strain ATCC 9363, Rhizopus oryzae strain NRRL 1891, Rhizopus oryzae strain NRRL 1472, Rhizopus stolonifer, Rhizopus thailandensis, Rhizopus formosaensis, Rhizopus chinensis, Rhizopus cohnii, Rhizopus japonicus, Rhizopus nodosus, Rhizopus delemar, Rhizopus acetorinus, Rhizopus chlamydosporus, Rhizopus circinans, Rhizopus javanicus, Rhizopus peka, Rhizopus saito, Rhizopus tritici, Rhizopus niveus, Rhizopus microsporus, Mitosporic fungi, Aureobasidium sap.spp., Acremonium sap.spp., Cercospora sap.spp., Epicoccum sap.spp., Monilia sap.spp., Monilia candida, Monilia sitophila, Mycoderma sap.spp., Candida sap.spp., Candida diddensiae, Candida edax, Candida etchellsii, Candida kefir, Candida krisei, Candida lactosa, Candida lambica, Candida melinii, Candida utilis, Candida milleri, Candida mycoderma, Candida parapsilosis, Candida obtux, Candida tropicalis, Candida valida, Candida versatilis, Candida guilliermondii, Rhodotorula sap.spp., Torulopsis sap.spp., Geotrichum sap.spp., Geotrichum amycelium, Geotrichum armillariae, Geotrichum asteroides, Geotrichum bipunctatum, Geotrichum dulcitum, Geotrichum eriense, Geotrichum fici, Geotrichum flavo-brunneum, Geotrichum fragrans, Geotrichum gracile, Geotrichum heritum, Geotrichum klebaknii, Geotrichum penicillatum, Geotrichum hirtum, Geotrichum pseudocandidum, Geotrichum rectangulatum, Geotrichum suaveolens, Geotrichum vanryiae, Geotrichum loubieri, Geotrichum microsporum, Cladosporium sap.spp., Trichoderma sap.spp., Trichoderma hamatum, Trichoderma harzianum, Trichoderma koningii, Trichoderma pseudokoningii, Trichoderma reesei, Trichoderma virgatum, Trichoderma viride, Oidium sap.spp., Alternaria sap.spp., Alternaria alternata, Alternaria tenuis, Helminthosporium sap.spp., Helminthosporium gramineum, Helminthosporium sativum, Helminthosporium teres, Aspergillus sap.spp., Aspergillus ochraseus, Aspergillus nidulans, Aspergillus versicolor, Aspergillus wentii Group, Aspergillus candidus, Aspergillus flavus, Aspergillus niger, Aspergillus oryzae strain ATCC 14156, Penicillum sap.spp., Penicillum aculeatum, Penicillum citrinum, Penicillum claviforme, Penicillum funiculosum, Penicillum italicum, Penicillum lanoso-viride, Penicillum emersonii, Penicillum lilacinum, Penicillum expansum and mixtures thereof.

51. (previously presented) A method for the preparation of a malted cereal as recited in claim 48, 49 or 50 wherein the malting cereal composition is held with water at a temperature of from about 5°C to about 30°C for a time effective for providing a wetted cereal having a moisture content of at least about 20 weight percent.

- 52. (previously presented) A method for the preparation of a malted cereal as recited in claim 51 wherein the malting cereal composition is held for about 2 to about 7 days.
- 53. (previously presented) A method as recited in claim 52 wherein, the activated spores are activated by treatments selected from the group consisting of

cycles of wetting and drying,

addition of nutritional supplies,

exposure to temperature changes within a range of about 0° to about 80°C, exposure to changes in pH within a pH range of about 2.0 to about 8.0 to obtain spores where the size of the spores is increased by a factor between about 1.2 and about 10 over their dormant size and/or the spores have one or more germ tubes per spore, and mixtures thereof.

- 54. (previously presented) A method as recited in claim 48, 49, or 50 wherein the cereal is barley.
- 55. (previously presented) A method as recited in claim 53 wherein the cereal is barley.
- 56. (previously presented) A method for the preparation of a malted cereal, the method comprising:

mixing water, activated spores and a cereal to provide a malting cereal composition, the activated spores being present in an amount of about 1×10^2 to about 1×10^7 per gram of air dry cereal to provide a malted cereal, the amount of activated spores being effective for providing the malted cereal with an increased enzyme activity, the increased enzyme activity being greater than the enzyme activity which is obtained by a malting process dormant spores.

57. (currently amended) A method as recited in claim 56 wherein the activated spores are from the microbes selected from the group consisting of Micrococcus sap.spp., Streptococcus sap.spp., Leuconostoc sap.spp., Pediococcus sap.spp., Pediococcus halophilus, Pediococcus cerevisiae, Pediococcus damnosus, Pediococcus hemophilus, Pediococcus parvulus, Pediococcus soyae, Lactococcus sap.spp., Lactobacillus sap.spp., Lactobacillus acidophilus, Lactobacillus amylovorus, Lactobacillus bavaricus, Lactobacillus bifermentans, Lactobacillus brevis var lindneri, Lactobacillus casei var casei, Lactobacillus delbrueckii, Lactobacillus delbrueckii var bulgaricus, Lactobacillus fermenti, Lactobacillus gasserii, Lactobacillus helveticus, Lactobacillus hilgardii, Lactobacillus renterii, Lactobacillus sake, Lactobacillus sativorius, Lactobacillus cremoris, Lactobacillus kefir, Lactobacillus pentoceticus, Lactobacillus cellobiosus, Lactobacillus

bruxellensis, Lactobacillus buchnerii, Lactobacillus coryneformis, Lactobacillus confusus, Lactobacillus florentinus, Lactobacillus viridescens, Corynebacterium sap.spp., Propionibacterium sap.spp., Bifidobacterium sap.spp., Streptomyces sap.spp., Bacillus sap.spp., Sporolactobacillus sap.spp., Acetobacter sap.spp., Agrobacterium sap.spp., Alcaligenes sap.spp., Pseudomonas sap.spp., Pseudomonas amylophilia, Pseudomonas aeruginosa, Pseudomonas cocovenenans, Pseudomonas mexicana, Pseudomonas pseudomallei, Gluconobacter sap.spp., Enterobacter sap.spp., Erwinia sap.spp., Klebsiella sap.spp., Proteus sap.spp., Ascomycota, Dothideales, Mycosphaerellaceae, Mycosphaerella sap.spp., Venturiaceae, Venturia sap.spp., Eurotiales, Monascaceae, Monascus sap., Trichocomaceae, Emericilla sap.spp., Euroteum sap.spp., Eupenicillium sap.spp., Neosartorya sap.spp., Talaromyces sap.spp., Hypocreales, Hypocreaeae, Hypocrea sap.spp., Saccharomycetales, Dipodascaceae, Dipodascus sap.spp., Galactomyces sap.spp., Endomycetaceae, Endomyces sap.spp., Metschnikowiaceae, Guilliermondella sap.spp., Saccharomycetaceae, Debaryomyces sap.spp., Dekkera sap.spp., Pichia sap.spp., Kluyveromyces sap.spp., Saccharomyces sap.spp., Torulaspora sap.spp., Zygosaccharomyces sap.spp., Saccharomycodaceae, Hanseniaspora sap.spp.; Schizosaccharomycetales, Schizosaccharomycetaceae, Schizosaccharomyces sap.spp., Sordariales, Chaetomiaceae, Chaetomium sap.spp., Sordariacea, Neurospora sap.spp., Zygomycota, Mucorales, Mucoraceae, Absidia sap.spp., Amylomyces sap.spp., Rhizomucor sap.spp., Actinomucor sap.spp., Thermomucor sap.spp., Chlamydomucor sap.spp., Mucor sap.spp., Mucor circinelloides, Mucor grisecyanus, Mucor hiemalis, Mucor indicus, Mucor mucedo, Mucor piriformis, Mucor plumbeus, Mucor praini, Mucor pusillus, Mucor silvaticus, Mucor javanicus, Mucor racemosus, Mucor rouxianus, Mucor rouxii, Mucor aromaticus, Mucor flavus, Mucor miehei, Rhizopus sap.spp., Rhizopus arrhizus, Rhizopus oligosporus, Rhizopus oryzae, Rhizopus oryzae strain ATCC 4858, Rhizopus oryzae strain ATCC 9363, Rhizopus oryzae strain NRRL 1891, Rhizopus oryzae strain NRRL 1472, Rhizopus stolonifer, Rhizopus thailandensis, Rhizopus formosaensis, Rhizopus chinensis, Rhizopus cohnii, Rhizopus japonicus, Rhizopus nodosus, Rhizopus delemar, Rhizopus acetorinus, Rhizopus chlamydosporus, Rhizopus circinans, Rhizopus javanicus, Rhizopus peka, Rhizopus saito, Rhizopus tritici, Rhizopus niveus, Rhizopus microsporus, Mitosporic fungi, Aureobasidium sap.spp., Acremonium sap.spp., Cercospora sap.spp., Epicoccum sap.spp., Monilia sap.spp., Monilia candida, Monilia sitophila, Mycoderma sap.spp., Candida sap.spp., Candida diddensiae, Candida edax, Candida etchellsii, Candida kefir, Candida krisei, Candida lactosa, Candida lambica, Candida melinii, Candida utilis, Candida milleri, Candida mycoderma, Candida parapsilosis, Candida obtux, Candida tropicalis, Candida valida, Candida versatilis, Candida guilliermondii, Rhodotorula sap.spp., Torulopsis sap.spp., Geotrichum sap.spp., Geotrichum amycelium, Geotrichum armillariae, Geotrichum asteroides, Geotrichum bipunctatum, Geotrichum dulcitum, Geotrichum eriense, Geotrichum fici, Geotrichum

flavo-brunneum, Geotrichum fragrans, Geotrichum gracile, Geotrichum heritum, Geotrichum klebaknii, Geotrichum penicillatum, Geotrichum hirtum, Geotrichum pseudocandidum, Geotrichum rectangulatum, Geotrichum suaveolens, Geotrichum vanryiae, Geotrichum loubieri, Geotrichum microsporum, Cladosporium sap.spp., Trichoderma sap.spp., Trichoderma hamatum, Trichoderma harzianum, Trichoderma koningii, Trichoderma pseudokoningii, Trichoderma reesei, Trichoderma virgatum, Trichoderma viride, Oidium sap.spp., Alternaria sap.spp., Alternaria alternata, Alternaria tenuis, Helminthosporium sap.spp., Helminthosporium gramineum, Helminthosporium sativum, Helminthosporium teres, Aspergillus sap.spp., Aspergillus ochraseus, Aspergillus nidulans, Aspergillus versicolor, Aspergillus wentii Group, Aspergillus candidus, Aspergillus flavus, Aspergillus niger, Aspergillus oryzae strain ATCC 14156, Penicillum sap.spp., Penicillum aculeatum, Penicillum citrinum, Penicillum claviforme, Penicillum funiculosum, Penicillum italicum, Penicillum lanoso-viride, Penicillum emersonii, Penicillum lilacinum, Penicillum expansum and mixtures thereof.

- 58. (previously presented) A method as recited in claim 56, wherein the activated spores increase an activity of an enzyme that is present in the malting cereal composition, said enzyme selected from the group of β glucanase, xylanase, amylase, protease, naturally occurring enzymes in the cereal and combinations thereof.
- 59. (previously presented) A method for the preparation of a malted cereal as recited in claim 57 or 58 wherein the malting cereal composition is held with water at a temperature of from about 5°C to about 30°C for a time effective for providing a wetted cereal having a moisture content of at least about 20 weight percent.
- 60. (previously presented) A method for the preparation of a malted cereal as recited in claim 59 wherein the malting cereal composition is held with water for about 2 to about 7 days.
- 61. (previously presented) A method as recited in claim 60 wherein the activated spores are activated by treatments selected from the group consisting of

cycles of wetting and drying, addition of nutritional supplies,

exposure to temperature changes within a range of about 0° to about 80°C, exposure to changes in pH within a pH range of about 2.0 to about 8.0 to obtain spores where the size of the spores is increased by a factor between about 1.2 and about 10 over their dormant size and/or the spores have one or more germ tubes per spore, and mixtures thereof.

- 62. (previously presented) A method for the preparation of a malted cereal as recited in claim 61, wherein the activated spores are being present in an amount of from about 1×10^2 to about 1×10^7 per gram of air dry cereal.
- 63. (previously presented) A method for preparation of a malted cereal as recited in claim 59 wherein the cereal is barley.
- 64. (previously presented) A method for the preparation of a malted barley, the method comprising:

mixing activated spores, a barley and water to provide a malting barley composition, the activated spores being present in an amount of about 1×10^2 to about 1×10^7 per gram of air dry barley to provide a malting barley composition, the amount of activated spores being effective for providing an increased enzyme activity greater than the enzyme activity which is obtained by the same malting process which includes dormant spores and wherein the increased enzyme activity is selected from the group of β - glucanase, xylanase, amylase, Protease, naturally occurring enzymes in the barley and combinations thereof;

holding the malting barley composition at a temperature of from about 5°C to about 30°C for a time effective for providing a wetted barley having a moisture content of at least about 20 weight percent, and

wherein the activated spores are activated by treatments selected from the group consisting of

cycles of wetting and drying,

addition of nutritional supplies,

exposure to temperature changes within a range of about 0° to about 80°C, exposure to changes in pH within a pH range of about 2.0 to about 8.0 to obtain spores where the size of the spores is increased by a factor between about 1.2 and about 10 over their dormant size and/or the spores have one or more germ tubes per spore, and mixtures thereof.

- 65. (previously presented) A method for the preparation of a malted cereal as recited in claim 64 wherein, the malting barley composition is held with water for about 2 to about 7 days to provide a malted barley with a moisture content of from about 20 weight percent to about to about 60 weight percent.
- 66. (currently amended) A method for the preparation of a malted barley as recited in claim 64, wherein the activated spores are from the microbes selected from the group consisting of Micrococcus sap.spp., Streptococcus sap.spp., Leuconostoc sap.spp., Pediococcus halophilus, Pediococcus cerevisiae, Pediococcus damnosus, Pediococcus hemophilus, Pediococcus parvulus, Pediococcus soyae, Lactococcus

sap.spp., Lactobacillus sap.spp., Lactobacillus acidophilus, Lactobacillus amylovorus, Lactobacillus bavaricus, Lactobacillus bifermentans, Lactobacillus brevis var lindneri, Lactobacillus casei var casei, Lactobacillus delbrueckii, Lactobacillus delbrueckii var lactis, Lactobacillus delbrueckii var bulgaricus, Lactobacillus fermenti, Lactobacillus gasserii, Lactobacillus helveticus, Lactobacillus hilgardii, Lactobacillus renterii, Lactobacillus sake, Lactobacillus sativorius, Lactobacillus cremoris, Lactobacillus kefir, Lactobacillus pentoceticus, Lactobacillus cellobiosus, Lactobacillus bruxellensis, Lactobacillus buchnerii, Lactobacillus coryneformis, Lactobacillus confusus, Lactobacillus florentinus, Lactobacillus viridescens, Corynebacterium sap.spp., Propionibacterium sap.spp., Bifidobacterium sap.spp., Streptomyces sap.spp., Bacillus sap.spp., Sporolactobacillus sap.spp., Acetobacter sap.spp., Agrobacterium sap.spp., Alcaligenes sap.spp., Pseudomonas sap.spp., Pseudomonas amylophilia, Pseudomonas aeruginosa, Pseudomonas cocovenenans, Pseudomonas mexicana, Pseudomonas pseudomallei, Gluconobacter sap.spp., Enterobacter sap.spp., Erwinia sap.spp., Klebsiella sap.spp., Proteus sap.spp., Ascomycota, Dothideales, Mycosphaerellaceae, Mycosphaerella sap.spp., Venturiaceae, Venturia sap.spp., Eurotiales, Monascaceae, Monascus sap.spp., Trichocomaceae, Emericilla sap.spp., Euroteum sap.spp., Eupenicillium sap.spp., Neosartorya sap.spp., Talaromyces sap.spp., Hypocreales, Hypocreceae, Hypocrea sap.spp., Saccharomycetales, Dipodascaceae, Dipodascus sap.spp., Galactomyces sap.spp., Endomycetaceae, Endomyces sap.spp., Metschnikowiaceae, Guilliermondella sap.spp., Saccharomycetaceae, Debaryomyces sap.spp., Dekkera sap.spp., Pichia sap.spp., Kluyveromyces sap.spp., Saccharomyces sap.spp., Torulaspora sap.spp., Zygosaccharomyces sap.spp., Saccharomycodaceae, Hanseniaspora sap.spp.; Schizosaccharomycetales, Schizosaccharomycetaceae, Schizosaccharomyces sap.spp., Sordariales, Chaetomiaceae, Chaetomium sap.spp., Sordariacea, Neurospora sap.spp., Zygomycota, Mucorales, Mucoraceae, Absidia sap.spp., Amylomyces sap.spp., Rhizomucor sap.spp., Actinomucor sap.spp., Thermomucor sap.spp., Chlamydomucor sap.spp., Mucor sap.spp., Mucor circinelloides, Mucor grisecyanus, Mucor hiemalis, Mucor indicus, Mucor mucedo, Mucor piriformis, Mucor plumbeus, Mucor praini, Mucor pusillus, Mucor silvaticus, Mucor javanicus, Mucor racemosus, Mucor rouxianus, Mucor rouxii, Mucor aromaticus, Mucor flavus, Mucor miehei, Rhizopus sap.spp., Rhizopus arrhizus, Rhizopus oligosporus, Rhizopus oryzae, Rhizopus oryzae strain ATCC 4858, Rhizopus oryzae strain ATCC 9363, Rhizopus oryzae strain NRRL 1891, Rhizopus oryzae strain NRRL 1472, Rhizopus stolonifer, Rhizopus thailandensis, Rhizopus formosaensis, Rhizopus chinensis, Rhizopus cohnii, Rhizopus japonicus, Rhizopus nodosus, Rhizopus delemar, Rhizopus acetorinus, Rhizopus chlamydosporus, Rhizopus circinans, Rhizopus javanicus, Rhizopus peka, Rhizopus saito, Rhizopus tritici, Rhizopus niveus, Rhizopus microsporus, Mitosporic fungi, Aureobasidium sap.spp., Acremonium sap.spp., Cercospora sap.spp., Epicoccum sap.spp., Monilia sap.spp., Monilia candida, Monilia sitophila, Mycoderma sap.spp., Candida

sap.spp., Candida diddensiae, Candida edax, Candida etchellsii, Candida kefir, Candida krisei, Candida lactosa, Candida lambica, Candida melinii, Candida utilis, Candida milleri, Candida mycoderma, Candida parapsilosis, Candida obtux, Candida tropicalis, Candida valida, Candida versatilis, Candida guilliermondii, Rhodotorula sap.spp., Torulopsis sap.spp., Geotrichum sap.spp., Geotrichum amycelium, Geotrichum armillariae, Geotrichum asteroides, Geotrichum bipunctatum, Geotrichum dulcitum, Geotrichum eriense, Geotrichum fici, Geotrichum flavo-brunneum, Geotrichum fragrans, Geotrichum gracile, Geotrichum heritum, Geotrichum klebaknii, Geotrichum penicillatum, Geotrichum hirtum, Geotrichum pseudocandidum, Geotrichum rectangulatum, Geotrichum suaveolens, Geotrichum vanryiae, Geotrichum loubieri, Geotrichum microsporum, Cladosporium sap.spp., Trichoderma sap.spp., Trichoderma hamatum, Trichoderma harzianum, Trichoderma koningii, Trichoderma pseudokoningii, Trichoderma reesei, Trichoderma virgatum, Trichoderma viride, Oidium sap.spp., Alternaria sap.spp., Alternaria alternata, Alternaria tenuis, Helminthosporium sap.spp., Helminthosporium gramineum, Helminthosporium sativum, Helminthosporium teres, Aspergillus sap.spp., Aspergillus ochraseus, Aspergillus nidulans, Aspergillus versicolor, Aspergillus wentii Group, Aspergillus candidus, Aspergillus flavus, Aspergillus niger, Aspergillus oryzae strain ATCC 14156, Penicillum sap.spp., Penicillum aculeatum, Penicillum citrinum, Penicillum claviforme, Penicillum funiculosum, Penicillum italicum, Penicillum lanoso-viride, Penicillum emersonii, Penicillum lilacinum, Penicillum expansum and mixtures thereof.

67. (previously presented) A method for the preparation of a malted barley, the method comprising:

mixing activated spores, a barley and water to provide a malting barley composition, the activated spores being present in an amount of about 1×10^2 to about to about 1×10^7 per gram of air dry barley to provide a malting barley composition, the amount of activated spores being effective for providing an increased enzyme activity greater than the enzyme activity which is obtained by the same malting process which includes dormant spores and wherein the increased enzyme activity is selected from the group of β - glucanase, xylanase, amylase, Protease, naturally occurring enzymes in the barley and combinations thereof;

holding the malting barley composition at a temperature of from about 5°C to about 30°C for a time effective for providing a wetted barley having a moisture content of at least about 20 weight percent; and

germinating the wetted barley in the presence of the activated spores for about 2 to about 7 days at a temperature between about 10° to about 30°C, to provide malted barely with the increased enzyme activity.

- 68. (currently amended) A method as recited in claim 67 wherein the combination is held until the barley germinates and after germination, <u>the</u> barley is dried to a moisture content of not more than about 15 weight percent.
- 69. (previously presented) A method as recited in claim 67 wherein the method further comprises drying the combination and prior to the drying, the combination is held until the cereal has a moisture content of between about 20 to about 60 weight percent and the barley has germinated for about 2 to about 7 days at a temperature of from about 10 to about 30°C.
- 70. (previously presented) A method as recited in claim 67 wherein the process further comprises drying the combination and prior to drying, the combination is held until the cereal has a moisture content of between about 20 to about 60 weight percent and the cereal has germinated for about 2 to about 7 days at a temperature of from about 10 to about 30°C.; and

after the germination, the combination is dried to a moisture content of from about 2 to about 15 weight percent.

71. (currently amended) A method as recited in claim 67 wherein the activated spores are from the microbes selected from the group consisting of Micrococcus sap.spp., Streptococcus sap.spp., Leuconostoc sap.spp., Pediococcus sap.spp., Pediococcus halophilus, Pediococcus cerevisiae, Pediococcus damnosus, Pediococcus hemophilus, Pediococcus parvulus, Pediococcus soyae, Lactococcus sap.spp., Lactobacillus sap.spp., Lactobacillus acidophilus, Lactobacillus amylovorus, Lactobacillus bavaricus, Lactobacillus bifermentans, Lactobacillus brevis var lindneri, Lactobacillus casei var casei, Lactobacillus delbrueckii, Lactobacillus delbrueckii var lactis, Lactobacillus delbrueckii var bulgaricus, Lactobacillus fermenti, Lactobacillus gasserii, Lactobacillus helveticus, Lactobacillus hilgardii, Lactobacillus renterii, Lactobacillus sake, Lactobacillus sativorius, Lactobacillus cremoris, Lactobacillus kefir, Lactobacillus pentoceticus, Lactobacillus cellobiosus, Lactobacillus bruxellensis, Lactobacillus buchnerii, Lactobacillus coryneformis, Lactobacillus confusus, Lactobacillus florentinus, Lactobacillus viridescens, Corynebacterium sap.spp., Propionibacterium sap.spp., Bifidobacterium sap.spp., Streptomyces sap.spp., Bacillus sap.spp., Sporolactobacillus sap.spp., Acetobacter sap.spp., Agrobacterium sap.spp., Alcaligenes sap.spp., Pseudomonas sap.spp., Pseudomonas amylophilia, Pseudomonas aeruginosa, Pseudomonas cocovenenans, Pseudomonas mexicana, Pseudomonas pseudomallei, Gluconobacter sap.spp., Enterobacter sap.spp., Erwinia sap.spp., Klebsiella sap.spp., Proteus sap.spp., Ascomycota, Dothideales, Mycosphaerellaceae, Mycosphaerella sap.spp., Venturiaceae, Venturia sap.spp., Eurotiales, Monascaceae, Monascus sap.spp.,

Trichocomaceae, Emericilla sap.spp., Euroteum sap.spp., Eupenicillium sap.spp., Neosartorya sap.spp., Talaromyces sap.spp., Hypocreales, Hypocreceae, Hypocrea sap.spp., Saccharomycetales, Dipodascaceae, Dipodascus sap.spp., Galactomyces sap.spp., Endomycetaceae, Endomyces sap.spp., Metschnikowiaceae, Guilliermondella sap.spp., Saccharomycetaceae, Debaryomyces sap.spp., Dekkera sap.spp., Pichia sap.spp., Kluyveromyces sap.spp., Saccharomyces sap.spp., Torulaspora sap.spp., Zygosaccharomyces sap.spp., Saccharomycodaceae, Hanseniaspora sap.spp.; Schizosaccharomycetales, Schizosaccharomycetaceae, Schizosaccharomyces sap.spp., Sordariales, Chaetomiaceae, Chaetomium sap.spp., Sordariacea, Neurospora sap.spp., Zygomycota, Mucorales, Mucoraceae, Absidia sap.spp., Amylomyces sap.spp., Rhizomucor sap.spp., Actinomucor sap.spp., Thermomucor sap.spp., Chlamydomucor sap.spp., Mucor sap.spp., Mucor circinelloides, Mucor grisecyanus, Mucor hiemalis, Mucor indicus, Mucor mucedo, Mucor piriformis, Mucor plumbeus, Mucor praini, Mucor pusillus, Mucor silvaticus, Mucor javanicus, Mucor racemosus, Mucor rouxianus, Mucor rouxii, Mucor aromaticus, Mucor flavus, Mucor miehei, Rhizopus sap.spp., Rhizopus arrhizus, Rhizopus oligosporus, Rhizopus oryzae, Rhizopus oryzae strain ATCC 4858, Rhizopus oryzae strain ATCC 9363, Rhizopus oryzae strain NRRL 1891, Rhizopus oryzae strain NRRL 1472, Rhizopus stolonifer, Rhizopus thailandensis, Rhizopus formosaensis, Rhizopus chinensis, Rhizopus cohnii, Rhizopus japonicus, Rhizopus nodosus, Rhizopus delemar, Rhizopus acetorinus, Rhizopus chlamydosporus, Rhizopus circinans, Rhizopus javanicus, Rhizopus peka, Rhizopus saito, Rhizopus tritici, Rhizopus niveus, Rhizopus microsporus, Mitosporic fungi, Aureobasidium sap.spp., Acremonium sap.spp., Cercospora sap.spp., Epicoccum sap.spp., Monilia sap.spp., Monilia candida, Monilia sitophila, Mycoderma sap.spp., Candida sap.spp., Candida diddensiae, Candida edax, Candida etchellsii, Candida kefir, Candida krisei, Candida lactosa, Candida lambica, Candida melinii, Candida utilis, Candida milleri, Candida mycoderma, Candida parapsilosis, Candida obtux, Candida tropicalis, Candida valida, Candida versatilis, Candida guilliermondii, Rhodotorula sap.spp., Torulopsis sap.spp., Geotrichum sap.spp., Geotrichum amycelium, Geotrichum armillariae, Geotrichum asteroides, Geotrichum bipunctatum, Geotrichum dulcitum, Geotrichum eriense, Geotrichum fici, Geotrichum flavo-brunneum, Geotrichum fragrans, Geotrichum gracile, Geotrichum heritum, Geotrichum klebaknii, Geotrichum penicillatum, Geotrichum hirtum, Geotrichum pseudocandidum, Geotrichum rectangulatum, Geotrichum suaveolens, Geotrichum vanryiae, Geotrichum loubieri, Geotrichum microsporum, Cladosporium sap.spp., Trichoderma sap.spp., Trichoderma hamatum, Trichoderma harzianum, Trichoderma koningii, Trichoderma pseudokoningii, Trichoderma reesei, Trichoderma virgatum, Trichoderma viride, Oidium sap.spp., Alternaria sap.spp., Alternaria alternata, Alternaria tenuis, Helminthosporium sap.spp., Helminthosporium gramineum, Helminthosporium sativum, Helminthosporium teres, Aspergillus sap.spp., Aspergillus ochraseus, Aspergillus nidulans,

Aspergillus versicolor, Aspergillus wentii Group, Aspergillus candidus, Aspergillus flavus, Aspergillus niger, Aspergillus oryzae strain ATCC 14156, Penicillum sap.spp., Penicillum aculeatum, Penicillum citrinum, Penicillum claviforme, Penicillum funiculosum, Penicillum italicum, Penicillum lanoso-viride, Penicillum emersonii, Penicillum lilacinum, Penicillum expansum and mixtures thereof.

72. (previously presented) A method for the preparation of a malted cereal product, the method comprising:

mixing water, activated spores and a cereal to provide a malting cereal composition, the activated spores being present in the malting cereal composition in an amount of at least about 1 X 10² per gram of air dry cereal, the amount of activated spores being effective for providing the malted cereal with the increased enzyme activity, the increased enzyme activity being greater than the enzyme activity which is obtained by the same malting process with dormant spores.

- 73. (previously presented) A method as recited in Claim 72, wherein said enzyme is selected from the group of B-glucanase, xylanase, amylase, a protease, naturally occurring enzymes in the cereal and combinations thereof.
- 74. (previously presented) A method as recited in claim 72 wherein the combination is held for a time and temperature until the cereal has a moisture content of at least about 20 weight percent.
- 75. (currently amended) A method as recited in claim 72, wherein the combination is held until the cereal germinates and after germination, <u>the</u> cereal is dried to a moisture content of not more than about 15 weight percent.
- 76. (previously presented) A method as recited in claim 72 wherein the process further comprises drying the combination and prior to the drying, the combination is held until the cereal has a moisture content of between about 20 to about 60 weight percent and the cereal has germinated for about 2 to about 7 days at a temperature of from about 10 to about 30°C.
- 77. (previously presented) A method as recited in claim 72 wherein the process further comprises drying the combination and prior to drying, the combination is held until the cereal has a moisture content of between about 20 to about 60 weight percent and the cereal has germinated for about 2 to about 7 days at a temperature of from about 10 to about 30°C.; and

after the germination, the combination is dried to a moisture content of from about 2 to about 15 weight percent.

78. (currently amended) A method as recited in claim 72 wherein the activated spores are from the microbes selected from the group consisting of Micrococcus sap.spp., Streptococcus sap.spp., Leuconostoc sap.spp., Pediococcus sap.spp., Pediococcus halophilus, Pediococcus cerevisiae, Pediococcus damnosus, Pediococcus hemophilus, Pediococcus parvulus, Pediococcus soyae, Lactococcus sap.spp., Lactobacillus sap.spp., Lactobacillus acidophilus, Lactobacillus amylovorus, Lactobacillus bavaricus, Lactobacillus bifermentans, Lactobacillus brevis var lindneri, Lactobacillus casei var casei, Lactobacillus delbrueckii, Lactobacillus delbrueckii var lactis, Lactobacillus delbrueckii var bulgaricus, Lactobacillus fermenti, Lactobacillus gasserii, Lactobacillus helveticus, Lactobacillus hilgardii, Lactobacillus renterii, Lactobacillus sake, Lactobacillus sativorius, Lactobacillus cremoris, Lactobacillus kefir, Lactobacillus pentoceticus, Lactobacillus cellobiosus, Lactobacillus bruxellensis, Lactobacillus buchnerii, Lactobacillus coryneformis, Lactobacillus confusus, Lactobacillus florentinus, Lactobacillus viridescens, Corynebacterium sap.spp., Propionibacterium sap.spp., Bifidobacterium sap.spp., Streptomyces sap.spp., Bacillus sap.spp., Sporolactobacillus sap.spp., Acetobacter sap.spp., Agrobacterium sap.spp., Alcaligenes sap.spp., Pseudomonas sap.spp., Pseudomonas amylophilia, Pseudomonas aeruginosa, Pseudomonas cocovenenans, Pseudomonas mexicana, Pseudomonas pseudomallei, Gluconobacter sap.spp., Enterobacter sap.spp., Erwinia sap.spp., Klebsiella sap.spp., Proteus sap.spp., Ascomycota, Dothideales, Mycosphaerellaceae, Mycosphaerella sap.spp., Venturiaceae, Venturia sap.spp., Eurotiales, Monascaceae, Monascus sap.spp., Trichocomaceae, Emericilla sap.spp., Euroteum sap.spp., Eupenicillium sap.spp., Neosartorya sap.spp., Talaromyces sap.spp., Hypocreales, Hypocreceae, Hypocrea sap.spp., Saccharomycetales, Dipodascaceae, Dipodascus sap.spp., Galactomyces sap.spp., Endomycetaceae, Endomyces sap.spp., Metschnikowiaceae, Guilliermondella sap.spp., Saccharomycetaceae, Debaryomyces sap.spp., Dekkera sap.spp., Pichia sap.spp., Kluyveromyces sap.spp., Saccharomyces sap.spp., Torulaspora sap.spp., Zygosaccharomyces sap.spp., Saccharomycodaceae, Hanseniaspora sap.spp.; Schizosaccharomycetales, Schizosaccharomycetaceae, Schizosaccharomyces sap.spp., Sordariales, Chaetomiaceae, Chaetomium sap.spp., Sordariacea, Neurospora sap.spp., Zygomycota, Mucorales, Mucoraceae, Absidia sap.spp., Amylomyces sap.spp., Rhizomucor sap.spp., Actinomucor sap.spp., Thermomucor sap.spp., Chlamydomucor sap.spp., Mucor sap.spp., Mucor circinelloides, Mucor grisecyanus, Mucor hiemalis, Mucor indicus, Mucor mucedo, Mucor piriformis, Mucor plumbeus, Mucor praini, Mucor pusillus, Mucor silvaticus, Mucor javanicus, Mucor racemosus, Mucor rouxianus, Mucor rouxii, Mucor aromaticus, Mucor flavus, Mucor miehei, Rhizopus sap.spp., Rhizopus arrhizus, Rhizopus oligosporus,

Rhizopus oryzae, Rhizopus oryzae strain ATCC 4858, Rhizopus oryzae strain ATCC 9363, Rhizopus oryzae strain NRRL 1891, Rhizopus oryzae strain NRRL 1472, Rhizopus stolonifer, Rhizopus thailandensis, Rhizopus formosaensis, Rhizopus chinensis, Rhizopus cohnii, Rhizopus japonicus, Rhizopus nodosus, Rhizopus delemar, Rhizopus acetorinus, Rhizopus chlamydosporus, Rhizopus circinans, Rhizopus javanicus, Rhizopus peka, Rhizopus saito, Rhizopus tritici, Rhizopus niveus, Rhizopus microsporus, Mitosporic fungi, Aureobasidium sap.spp., Acremonium sap.spp., Cercospora sap.spp., Epicoccum sap.spp., Monilia sap.spp., Monilia candida, Monilia sitophila, Mycoderma sap.spp., Candida sap.spp., Candida diddensiae, Candida edax, Candida etchellsii, Candida kefir, Candida krisei, Candida lactosa, Candida lambica, Candida melinii, Candida utilis, Candida milleri, Candida mycoderma, Candida parapsilosis, Candida obtux, Candida tropicalis, Candida valida, Candida versatilis, Candida guilliermondii, Rhodotorula sap.spp., Torulopsis sap.spp., Geotrichum sap.spp., Geotrichum amycelium, Geotrichum armillariae, Geotrichum asteroides, Geotrichum bipunctatum, Geotrichum dulcitum, Geotrichum eriense, Geotrichum fici, Geotrichum flavo-brunneum, Geotrichum fragrans, Geotrichum gracile, Geotrichum heritum, Geotrichum klebaknii, Geotrichum penicillatum, Geotrichum hirtum, Geotrichum pseudocandidum, Geotrichum rectangulatum, Geotrichum suaveolens, Geotrichum vanryiae, Geotrichum loubieri, Geotrichum microsporum, Cladosporium sap. spp., Trichoderma sap.spp., Trichoderma hamatum, Trichoderma harzianum, Trichoderma koningii, Trichoderma pseudokoningii, Trichoderma reesei, Trichoderma virgatum, Trichoderma viride, Oidium sap.spp., Alternaria sap.spp., Alternaria alternata, Alternaria tenuis, Helminthosporium sap.spp., Helminthosporium gramineum, Helminthosporium sativum, Helminthosporium teres, Aspergillus sap.spp., Aspergillus ochraseus, Aspergillus nidulans, Aspergillus versicolor, Aspergillus wentii Group, Aspergillus candidus, Aspergillus flavus, Aspergillus niger, Aspergillus oryzae strain ATCC 14156, Penicillum sap.spp., Penicillum aculeatum, Penicillum citrinum, Penicillum claviforme, Penicillum funiculosum, Penicillum italicum, Penicillum lanoso-viride, Penicillum emersonii, Penicillum lilacinum, Penicillum expansum and mixtures thereof.

79. (previously presented) A method for the preparation of a malted barley, the method comprising:

mixing activated spores, a barley and water to provide a malting barley composition, the activated spores being present in an amount of at least about 1 x 10^2 per gram of air dry barley to provide a malting barley composition, the amount of activated spores being effective for providing an increased enzyme activity greater than the enzyme activity which is obtained by the same malting process which includes dormant spores and wherein the increased enzyme activity is selected from the group of β - glucanase, xylanase, amylase, Protease, naturally occurring enzymes in the barley and combinations thereof;

holding the malting barley composition at a temperature of from about 5°C to about 30°C for a time effective for providing a wetted barley having a moisture content of at least about 20 weight percent; and

germinating the wetted barley in the presence of the activated spores for about 2 to about 7 days at a temperature between about 10° to about 30°C, to provide malted barely with the increased enzyme activity.

- 80. (currently amended) A method as recited in claim 79 wherein the combination is held until the barley germinates and after germination, <u>the</u> barley is dried to a moisture content of not more than about 15 weight percent.
- 81. (currently amended) A method as recited in claim 79 wherein the process further comprises drying the combination and prior to the drying, the combination is held until the barely has a moisture content of between about 20 to about 60 weight percent and the barely barley has germinated for about 2 to about 7 days at a temperature of from about 10 to about 30°C.
- 82. (currently amended) A method as recited in claim 79 wherein the process further comprises drying the combination and prior to drying, the combination is held until the barley has a moisture content of between about 20 to about 60 weight percent and the barley barley has germinated for about 2 to about 7 days at a temperature of from about 10 to about 30°C.; and

after the germination, the combination is dried to a moisture content of from about 2 to about 15 weight percent.

83. (currently amended) A method as recited in claim 79 wherein the activated spores are from the microbes selected from the group consisting of Micrococcus sap.spp., Streptococcus sap.spp., Leuconostoc sap.spp., Pediococcus sap.spp., Pediococcus halophilus, Pediococcus cerevisiae, Pediococcus damnosus, Pediococcus hemophilus, Pediococcus parvulus, Pediococcus soyae, Lactococcus sap.spp., Lactobacillus sap.spp., Lactobacillus acidophilus, Lactobacillus amylovorus, Lactobacillus bavaricus, Lactobacillus bifermentans, Lactobacillus brevis var lindneri, Lactobacillus casei var casei, Lactobacillus delbrueckii, Lactobacillus delbrueckii var lactis, Lactobacillus delbrueckii var bulgaricus, Lactobacillus fermenti, Lactobacillus gasserii, Lactobacillus helveticus, Lactobacillus hilgardii, Lactobacillus renterii, Lactobacillus sake, Lactobacillus sativorius, Lactobacillus cremoris, Lactobacillus kefir, Lactobacillus pentoceticus, Lactobacillus cellobiosus, Lactobacillus bruxellensis, Lactobacillus buchnerii, Lactobacillus coryneformis, Lactobacillus confusus, Lactobacillus florentinus, Lactobacillus viridescens, Corynebacterium sap.spp.,

Propionibacterium sap.spp., Bifidobacterium sap.spp., Streptomyces sap.spp., Bacillus sap.spp., Sporolactobacillus sap.spp., Acetobacter sap.spp., Agrobacterium sap.spp., Alcaligenes sap.spp., Pseudomonas sap.spp., Pseudomonas amylophilia, Pseudomonas aeruginosa, Pseudomonas cocovenenans, Pseudomonas mexicana, Pseudomonas pseudomallei, Gluconobacter sap.spp., Enterobacter sap.spp., Erwinia sap.spp., Klebsiella sap.spp., Proteus sap.spp., Ascomycota, Dothideales, Mycosphaerellaceae, Mycosphaerella sap.spp., Venturiaceae, Venturia sap.spp., Eurotiales, Monascaceae, Monascus sap.spp., Trichocomaceae, Emericilla sap.spp., Euroteum sap.spp., Eupenicillium sap.spp., Neosartorya sap.spp., Talaromyces sap.spp., Hypocreales, Hypocreceae, Hypocrea sap.spp., Saccharomycetales, Dipodascaceae, Dipodascus sap.spp., Galactomyces sap.spp., Endomycetaceae, Endomyces sap.spp., Metschnikowiaceae, Guilliermondella sap.spp., Saccharomycetaceae, Debaryomyces sap.spp., Dekkera sap.spp., Pichia sap.spp., Kluyveromyces sap.spp., Saccharomyces sap.spp., Torulaspora sap.spp., Zygosaccharomyces sap.spp., Saccharomycodaceae, Hanseniaspora sap.spp.; Schizosaccharomycetales, Schizosaccharomycetaceae, Schizosaccharomyces sap.spp., Sordariales, Chaetomiaceae, Chaetomium sap.spp., Sordariacea, Neurospora sap.spp., Zygomycota, Mucorales, Mucoraceae, Absidia sap.spp., Amylomyces sap.spp., Rhizomucor sap.spp., Actinomucor sap.spp., Thermomucor sap.spp., Chlamydomucor sap.spp., Mucor sap.spp., Mucor circinelloides, Mucor grisecyanus, Mucor hiemalis, Mucor indicus, Mucor mucedo, Mucor piriformis, Mucor plumbeus, Mucor praini, Mucor pusillus, Mucor silvaticus, Mucor javanicus, Mucor racemosus, Mucor rouxianus, Mucor rouxii, Mucor aromaticus, Mucor flavus, Mucor miehei, Rhizopus sap.spp., Rhizopus arrhizus, Rhizopus oligosporus, Rhizopus oryzae, Rhizopus oryzae strain ATCC 4858, Rhizopus oryzae strain ATCC 9363, Rhizopus oryzae strain NRRL 1891, Rhizopus oryzae strain NRRL 1472, Rhizopus stolonifer, Rhizopus thailandensis, Rhizopus formosaensis, Rhizopus chinensis, Rhizopus cohnii, Rhizopus japonicus, Rhizopus nodosus, Rhizopus delemar, Rhizopus acetorinus, Rhizopus chlamydosporus, Rhizopus circinans, Rhizopus javanicus, Rhizopus peka, Rhizopus saito, Rhizopus tritici, Rhizopus niveus, Rhizopus microsporus, Mitosporic fungi, Aureobasidium sap.spp., Acremonium sap.spp., Cercospora sap.spp., Epicoccum sap.spp., Monilia sap.spp., Monilia candida, Monilia sitophila, Mycoderma sap.spp., Candida sap.spp., Candida diddensiae, Candida edax, Candida etchellsii, Candida kefir, Candida krisei, Candida lactosa, Candida lambica, Candida melinii, Candida utilis, Candida milleri, Candida mycoderma, Candida parapsilosis, Candida obtux, Candida tropicalis, Candida valida, Candida versatilis, Candida guilliermondii, Rhodotorula sap.spp., Torulopsis sap.spp., Geotrichum sap.spp., Geotrichum amycelium, Geotrichum armillariae, Geotrichum asteroides, Geotrichum bipunctatum, Geotrichum dulcitum, Geotrichum eriense, Geotrichum fici, Geotrichum flavo-brunneum, Geotrichum fragrans, Geotrichum gracile, Geotrichum heritum, Geotrichum klebaknii, Geotrichum penicillatum, Geotrichum hirtum, Geotrichum

pseudocandidum, Geotrichum rectangulatum, Geotrichum suaveolens, Geotrichum vanryiae, Geotrichum loubieri, Geotrichum microsporum, Cladosporium sap.spp., Trichoderma sap.spp., Trichoderma hamatum, Trichoderma harzianum, Trichoderma koningii, Trichoderma pseudokoningii, Trichoderma reesei, Trichoderma virgatum, Trichoderma viride, Oidium sap.spp., Alternaria sap.spp., Alternaria alternata, Alternaria tenuis, Helminthosporium sap.spp., Helminthosporium gramineum, Helminthosporium sativum, Helminthosporium teres, Aspergillus sap.spp., Aspergillus ochraseus, Aspergillus nidulans, Aspergillus versicolor, Aspergillus wentii Group, Aspergillus candidus, Aspergillus flavus, Aspergillus niger, Aspergillus oryzae strain ATCC 14156, Penicillum sap.spp., Penicillum aculeatum, Penicillum citrinum, Penicillum claviforme, Penicillum funiculosum, Penicillum italicum, Penicillum lanoso-viride, Penicillum emersonii, Penicillum lilacinum, Penicillum expansum and mixtures thereof.